

ABSTRACT OF THE DISCLOSURE

A method of pipelining a disease specific diagnostic algorithm on an n-bit data word stored in a memory whereby the n-bit data word is divided into clinical tests describing ranges of normal values. Then, each of the clinical tests of the n-bit data word is read out from memory. Upon receiving a first of the results of the clinical tests, the result is compared with the normal value and the detection algorithm is computed based on the first result. This results in continuation with the next test if positive or terminate if negative. The above-steps are repeated recursively until all of the required test in the diagnostic algorithm are computed to provide the complete diagnosis of a disease.

09303315-043099